*Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

CW/HW#47: Congruent Triangles SSS in the Coordinate Plane

Geometry

Due: Monday, November 23rd

Directions: Show all work to avoid LaSalle!

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| --- | --- | --- |
| 1. Determine if . Then determine what transformation took place.  http://www.ck12.org/flx/show/image/201412231419361428075441_8c8db60f69d169c49ad92dc0c345e2b6-201412231419362698426612.png | | 2. Determine if the two triangles are congruent. Then determine what transformation took place.  http://www.ck12.org/flx/show/image/201412231419361428836859_f92f2c9bd488fa7145c3c0d29f5ee16c-201412231419362711062360.png |
|  | | |
| 3. Determine if . Then determine what transformation took place.  http://www.ck12.org/flx/show/image/201412231419361428099072_df550c86ee89c32ac5cb0b53bd3e9e75-201412231419362698920511.png | 4. Determine if the two triangles are congruent. Then determine what transformation took place.  http://www.ck12.org/flx/show/image/201412231419361428855564_ff81f7972a492d48521bbe36f604f1b7-201412231419362711477025.png | |
| 6 A hotel convention hall is made by attaching four-equal sized square meeting rooms around the edge of a large square conference room. The large room has an area of 144ft2 and each small room has as area of 49ft2. What is the perimeter of the convention hall? | | |
| 7. Pick one of the triangle problems. Create an equation for each of the lines for one of the trianlges. Show your work in your notebook. | | |